

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674850

Luminaire Tested: **CCW-SA-1F-750-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674850
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-750-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T2 distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7650.2 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

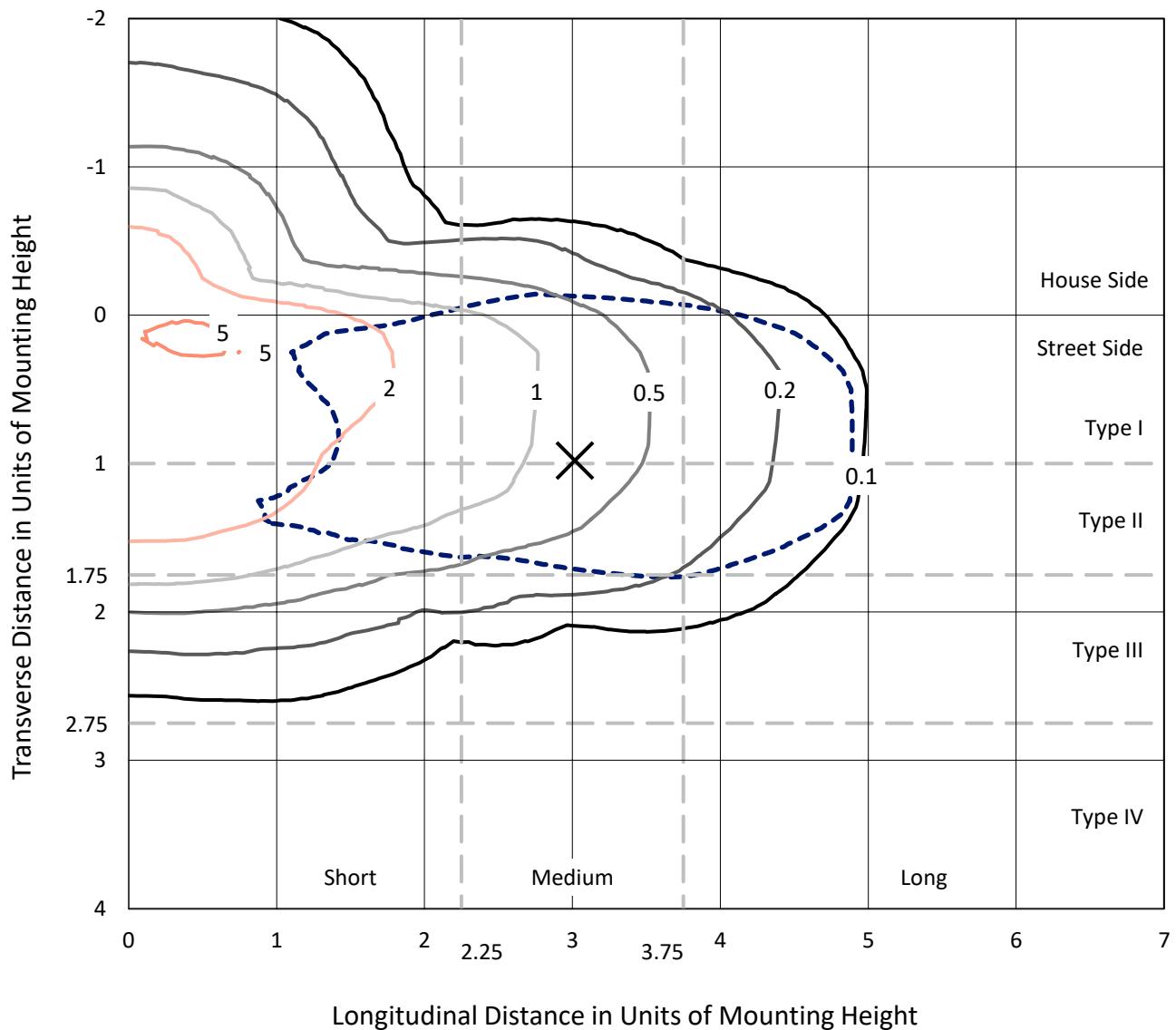
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

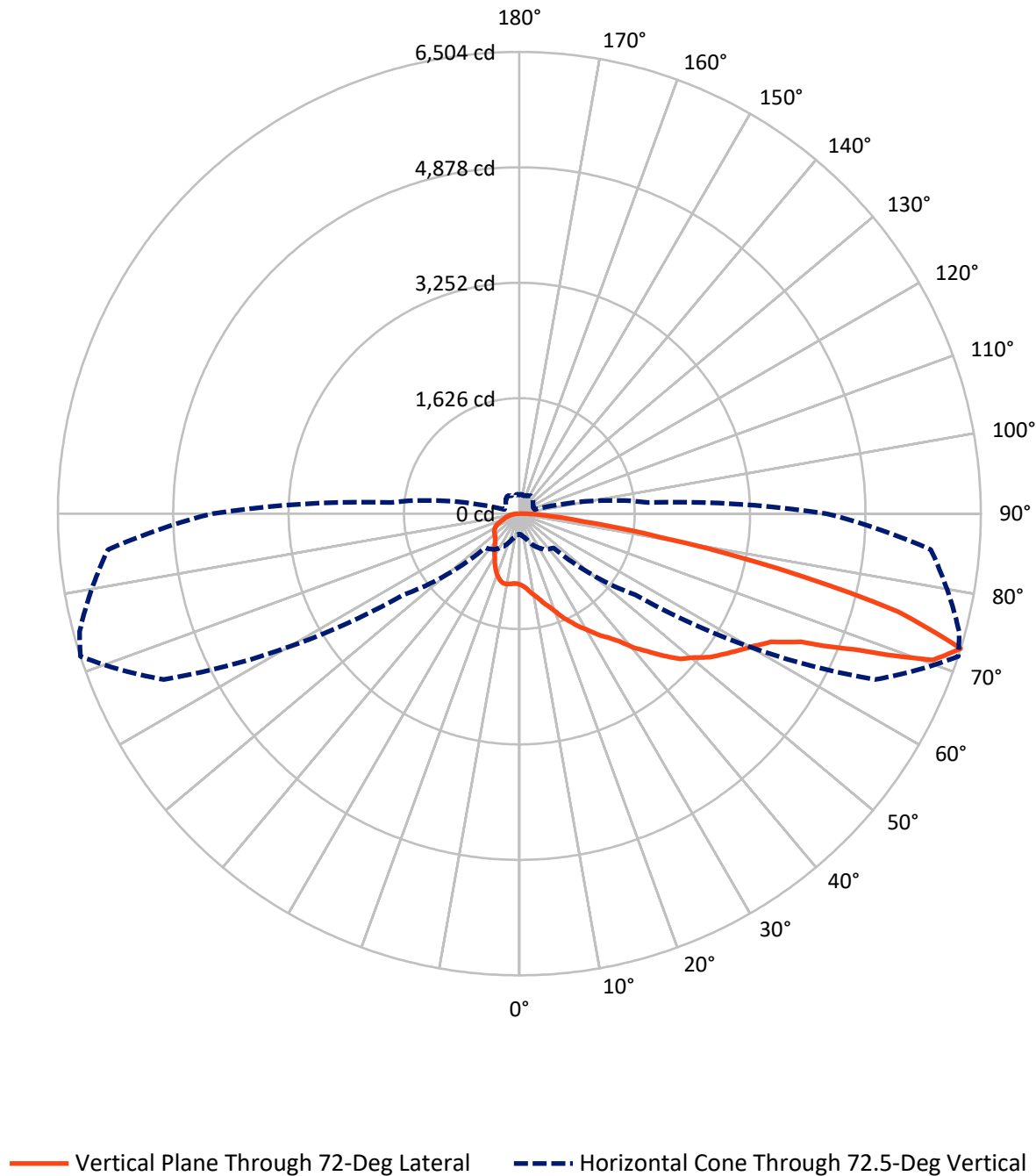
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1610.0	0.0	1610.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	6040.2	0.0	6040.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	7650.2	0.0	7650.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	1.3
10°-20°	307.0	4.0
20°-30°	531.2	6.9
30°-40°	784.7	10.3
40°-50°	1166.9	15.3
50°-60°	1599.7	20.9
60°-70°	1735.2	22.7
70°-80°	1223.4	16.0
80°-90°	203.3	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7650.2	100.0
0°-180°	7650.2	100.0

Coefficient of Utilization



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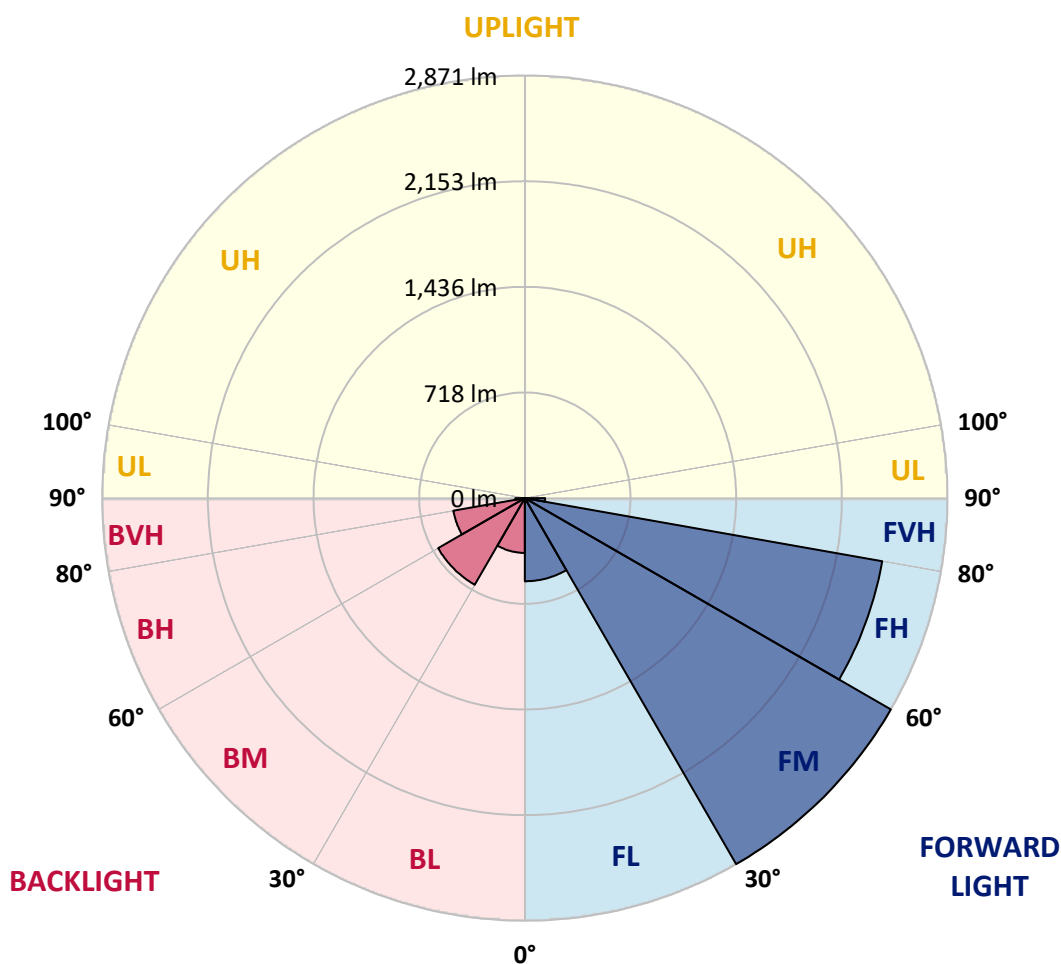
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	564.9	7.4			
FM	(30°-60°)	2871.3	37.5			
FH	(60°-80°)	2465.4	32.2			G2/5000
FVH	(80°-90°)	138.6	1.8			G2/225
BL	(0°-30°)	372.1	4.9	B1/500		
BM	(30°-60°)	680.0	8.9	B1/1000		
BH	(60°-80°)	493.2	6.4	B1/500		G1/500
BVH	(80°-90°)	64.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3
2.5°	1078.4	1078.4	1069.9	1067.1	1067.1	1044.5	1047.3	1033.2	1021.9	1021.9	1010.6
5°	1134.8	1129.2	1129.2	1129.2	1115.1	1106.6	1103.8	1078.4	1058.6	1061.4	1027.6
7.5°	1149.0	1151.8	1154.6	1168.7	1160.2	1165.9	1160.2	1132.0	1117.9	1103.8	1072.7
10°	1157.4	1163.1	1163.1	1182.8	1182.8	1196.9	1205.4	1194.1	1168.7	1154.6	1103.8
12.5°	1177.2	1168.7	1180.0	1194.1	1208.2	1233.6	1259.0	1247.8	1230.8	1213.9	1157.4
15°	1177.2	1180.0	1188.5	1211.1	1233.6	1259.0	1304.2	1321.2	1312.7	1281.6	1222.3
17.5°	1143.3	1134.8	1174.4	1216.7	1259.0	1290.1	1349.4	1388.9	1383.3	1372.0	1281.6
20°	1146.1	1154.6	1168.7	1205.4	1273.2	1329.6	1403.0	1467.9	1482.1	1476.4	1360.7
22.5°	1196.9	1199.8	1213.9	1230.8	1284.5	1357.9	1467.9	1572.4	1597.8	1583.7	1448.2
25°	1247.8	1270.3	1270.3	1281.6	1301.4	1377.6	1510.3	1657.1	1693.8	1696.6	1538.5
27.5°	1329.6	1335.3	1352.2	1357.9	1374.8	1420.0	1558.3	1719.2	1803.9	1792.6	1620.4
30°	1425.6	1428.4	1439.7	1434.1	1436.9	1493.4	1603.5	1789.8	1905.5	1908.3	1707.9
32.5°	1538.5	1561.1	1566.8	1530.1	1535.7	1549.8	1674.0	1874.5	2032.5	2012.8	1784.1
35°	1705.1	1713.5	1696.6	1679.7	1637.3	1628.9	1747.4	1959.1	2142.6	2165.2	1897.0
37.5°	1911.2	1933.7	1911.2	1820.8	1775.7	1741.8	1837.8	2052.3	2275.3	2351.5	2010.0
40°	2103.1	2100.3	2077.7	1995.8	1916.8	1891.4	1967.6	2182.2	2481.4	2554.8	2173.7
42.5°	2258.4	2249.9	2235.8	2173.7	2100.3	2058.0	2117.2	2317.7	2653.6	2794.7	2362.8
45°	2393.9	2382.6	2385.4	2314.8	2244.3	2266.9	2266.9	2472.9	2856.9	3031.9	2580.2
47.5°	2520.9	2526.6	2518.1	2464.5	2410.8	2470.1	2439.1	2650.8	3057.3	3252.1	2763.7
50°	2667.7	2679.0	2650.8	2616.9	2568.9	2628.2	2588.7	2817.3	3187.1	3452.5	2983.9
52.5°	2806.0	2817.3	2842.7	2800.4	2752.4	2800.4	2710.1	2972.6	3359.3	3647.3	3153.3
55°	2839.9	2834.3	2975.4	3020.6	3046.0	2902.0	2817.3	3105.3	3494.8	3771.5	3345.2
57.5°	2684.7	2698.8	2890.7	3020.6	3291.6	3167.4	2938.7	3260.5	3636.0	3935.2	3523.1
60°	2297.9	2306.4	2546.3	2854.0	3249.2	3415.8	3266.2	3461.0	3791.3	4073.6	3723.5
62.5°	1535.7	1600.6	1899.9	2382.6	2950.0	3483.6	3788.4	3799.7	3980.4	4248.6	3997.3
65°	810.2	841.2	1075.6	1465.1	2235.8	3249.2	4279.6	4471.6	4358.7	4570.4	4392.6
67.5°	530.7	542.0	669.0	889.2	1290.1	2371.3	4336.1	5637.5	5118.1	5183.0	5024.9
70°	395.2	400.9	494.0	657.8	798.9	1267.5	3554.1	6182.3	6179.5	6007.3	5775.8
72.5°	290.8	299.2	364.2	502.5	615.4	683.2	1998.7	5530.2	6504.1	6416.6	5821.0
75°	228.7	234.3	268.2	389.6	496.8	448.9	1013.4	4096.1	5516.1	5936.7	5327.0
77.5°	186.3	192.0	211.7	282.3	398.0	347.2	485.6	2642.3	3740.4	4274.0	4076.4
80°	155.3	155.3	169.4	200.4	307.7	262.5	287.9	1484.9	2015.6	2224.5	1849.1
82.5°	132.7	129.9	141.1	146.8	228.7	189.1	186.3	671.9	886.4	940.1	694.5
85°	84.7	87.5	132.7	127.0	149.6	129.9	104.5	319.0	417.8	426.3	259.7
87.5°	33.9	33.9	56.5	70.6	84.7	79.0	50.8	144.0	183.5	183.5	73.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3
2.5°	1007.8	996.5	988.0	982.4	968.3	954.2	957.0	954.2	942.9	937.2	937.2
5°	1019.1	1007.8	993.7	971.1	957.0	940.1	945.7	934.4	923.1	931.6	917.5
7.5°	1047.3	1027.6	1007.8	973.9	951.3	925.9	914.6	909.0	900.5	894.9	894.9
10°	1086.8	1058.6	1021.9	971.1	934.4	894.9	889.2	877.9	869.5	869.5	866.7
12.5°	1126.4	1095.3	1033.2	951.3	889.2	861.0	858.2	861.0	866.7	869.5	872.3
15°	1177.2	1126.4	1030.4	914.6	852.5	841.2	855.4	866.7	877.9	889.2	886.4
17.5°	1225.2	1165.9	1005.0	869.5	821.5	824.3	849.7	872.3	894.9	906.2	909.0
20°	1290.1	1202.6	968.3	815.8	790.4	815.8	849.7	877.9	903.4	917.5	920.3
22.5°	1363.5	1244.9	920.3	767.8	765.0	790.4	824.3	866.7	894.9	920.3	917.5
25°	1428.4	1273.2	858.2	728.3	734.0	750.9	790.4	835.6	863.8	892.1	883.6
27.5°	1470.8	1278.8	793.3	700.1	700.1	717.0	753.7	782.0	807.4	830.0	832.8
30°	1518.8	1267.5	719.9	663.4	663.4	686.0	700.1	717.0	731.2	736.8	742.4
32.5°	1575.2	1242.1	674.7	635.2	635.2	652.1	660.6	654.9	652.1	638.0	646.5
35°	1628.9	1205.4	623.9	598.5	609.8	618.2	615.4	598.5	581.5	556.1	547.7
37.5°	1693.8	1168.7	578.7	558.9	578.7	581.5	581.5	561.8	539.2	508.1	508.1
40°	1792.6	1140.5	542.0	533.5	553.3	550.5	536.4	522.3	530.7	513.8	513.8
42.5°	1897.0	1129.2	508.1	511.0	519.4	522.3	508.1	491.2	525.1	505.3	508.1
45°	2026.9	1137.7	485.6	482.7	502.5	499.7	491.2	477.1	488.4	437.6	423.4
47.5°	2148.3	1154.6	474.3	463.0	485.6	491.2	479.9	448.9	431.9	400.9	395.2
50°	2258.4	1191.3	463.0	440.4	463.0	474.3	454.5	420.6	400.9	381.1	381.1
52.5°	2362.8	1244.9	457.3	415.0	434.7	448.9	437.6	403.7	381.1	372.6	364.2
55°	2470.1	1292.9	448.9	398.0	403.7	431.9	429.1	383.9	361.3	361.3	358.5
57.5°	2622.5	1357.9	437.6	369.8	381.1	412.2	412.2	375.5	350.0	352.9	355.7
60°	2777.8	1434.1	426.3	341.6	350.0	392.4	398.0	364.2	341.6	344.4	341.6
62.5°	3026.2	1575.2	403.7	307.7	324.6	367.0	381.1	350.0	330.3	335.9	335.9
65°	3401.7	1818.0	355.7	279.5	299.2	344.4	364.2	335.9	313.4	330.3	324.6
67.5°	4005.8	2151.1	299.2	256.9	282.3	321.8	344.4	319.0	299.2	324.6	316.2
70°	4547.8	2314.8	256.9	237.1	256.9	296.4	321.8	302.1	282.3	307.7	296.4
72.5°	4327.6	1815.2	223.0	214.5	234.3	268.2	299.2	279.5	259.7	273.8	262.5
75°	3734.8	1445.4	194.8	192.0	208.9	242.8	273.8	259.7	240.0	245.6	240.0
77.5°	2831.4	1194.1	166.6	163.7	177.8	217.4	245.6	234.3	214.5	211.7	211.7
80°	1264.7	587.2	138.3	138.3	146.8	186.3	208.9	203.3	183.5	180.7	177.8
82.5°	415.0	223.0	112.9	107.3	118.6	155.3	186.3	180.7	160.9	155.3	149.6
85°	166.6	107.3	81.9	81.9	93.2	129.9	166.6	155.3	129.9	115.7	115.7
87.5°	56.5	45.2	42.3	42.3	59.3	87.5	124.2	104.5	93.2	81.9	84.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)